

CLAIMS

WHAT IS CLAIMED IS:

1. A bowstring vibration and noise suppressor, comprising:
 - a vibration and noise suppressor support having an attachment device at an end of the
- 5 support for attachment to a limb of an archery bow, the support carrying a vibration and noise suppressor which is configured and arranged to suppress vibration and noise created by the bowstring when launching an arrow.
2. The bowstring vibration and noise suppressor of claim 1 wherein the attachment device comprises a U-shaped bracket configured to attach to the tip of the limb of the archery bow.
3. The bowstring vibration and noise suppressor of claim 2 wherein the U-shaped bracket is attached to the limb by bolting the bracket through the limb.
4. The bowstring vibration and noise suppressor of claim 2 further including a shock absorbing layer which is placed between the U-shaped bracket and the limb to prevent vibration between the U-shaped bracket and the limb.
- 15 5. The bowstring vibration and noise suppressor of claim 1 wherein the support is made of aluminum.
6. The bowstring vibration and noise suppressor of claim 1 wherein the support is made of plastic.
7. The bowstring vibration and noise suppressor of claim 1 wherein the support is made of a
- 20 composite material.
8. The bowstring vibration and noise suppressor of claim 1 wherein the attachment device comprises a section of the support glued to the limb.

9. The bowstring vibration and noise suppressor of claim 1 wherein the vibration and noise suppressor is made of an elastomer.

10. The bowstring vibration and noise suppressor of claim 1 wherein the vibration and noise suppressor is made of a semi-solid gel material.

5 11. The bowstring vibration and noise suppressor of claim 1 wherein the archery bow is a compound bow.

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12. The bowstring vibration and noise suppressor of claim 1 wherein the archery bow is a crossbow.

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13. The bowstring vibration and noise suppressor of claim 1 wherein the archery bow is a recurve bow.

14. The bowstring vibration and noise suppressor of claim 1 wherein the vibration and noise suppressor is a thermoplastic elastomer material.

15. The bowstring vibration and noise suppressor of claim 14 wherein the vibration and noise suppressor is a styrenic thermoplastic elastomer material.

15. The bowstring vibration and noise suppressor of claim 15 wherein the styrenic thermoplastic elastomer has a Shore "A" hardness of approximately 30.

16. An archery bow comprising:

a handle;

first and second bow limbs attached to the handle;

20 a bowstring attached to the archery bow;

a first vibration and noise suppressor support having an attachment device at an end of the support for attachment to the first limb of the archery bow, the first support carrying a first vibration and noise suppressor which is configured and arranged to suppress vibration and noise created by the bowstring when launching an arrow.

17. The archery bow of claim 16 further including a second vibration and noise suppressor support having an attachment device at an end of the support for attachment to the second limb of the archery bow, the second support carrying a second vibration and noise suppressor which is configured and arranged to suppress vibration and noise created by the bowstring when launching

5 an arrow.